



Contents of volume 111

Volume 111, No. 1

November 1, 1999

- Immunological enhancement with a low dose of cyclophosphamide in aged mice
N. Ishiyama, M. Utsuyama, M. Kitagawa, K. Hirokawa (Tokyo, Japan) 1
- Sex steroids modulate the synthesis and phosphorylation of proteins in the brain cortex of aging mice
S. Mukherjee, A. Asaithambi, M.K. Thakur (Varanasi, India). 13
- Influence of circadian time, ageing, and hypertension on the urinary excretion of nitric oxide metabolites in rats
A. Borgonio, K. Witte, R. Stahrenberg, B. Lemmer (Mannheim, Germany) 23
- Mitochondrial respiratory chain activity in the human brain as a function of age
J. Ojaimi, C.L. Masters, K. Opeskin, P. McKelvie, E. Byrne (Fitzroy, Parkville, South bank, Australia). 39
- Age-related impairments in TCR/CD3 activation of ZAP-70 are associated with reduced tyrosine phosphorylations of ζ -chains and p59^{lyn}/p56^{lck} in human T cells
R.L. Whisler, M. Chen, B. Liu, Y.G. Newhouse (Columbus, OH) 49

Volume 111, Nos. 2-3

November 30 1999

- Interventions in aging and age-associated disorders
K. Kitani (Aichi, Japan). 71
- Approaches to anti-aging intervention: the promises and the uncertainties
B.P. Yu (San Antonio, TX). 73
- Role of superoxide, NO and oxygen in the regulation of energy metabolism and suppression of senile diseases
M. Inoue, M. Nishikawa, E. Kasahara, E. Sato (Osaka, Japan). 89

Dietary modulation of prostanoid synthesis in the aging process: role of cyclooxygenase-2 H.-Y. Chung, H.-J. Kim, K.-H. Shim, K.-W. Kim (Pusan, South Korea)	97
Structure and function of type I and II macrophage scavenger receptors H. Shirai, T. Murakami, Y. Yamada, T. Doi, T. Hamakubo, T. Kodama (Tokyo, Japan)	107
Dietary antioxidants modulation of aging and immune-endothelial cell interaction M. Meydani (Boston, MA)	123
Protective role of dietary polyphenols in oxidative stress T. Osawa (Nagoya, Japan)	133
Effects of aging on cerebellar noradrenergic function and motor learning: nutritional interventions P.C. Bickford, B. Shukitt-Hale, J. Joseph (Denver, CO; Boston, MA)	141
Efficacy of Choto-san on vascular dementia and the protective effect of the hooks and stems of <i>Uncaria sinensis</i> on glutamate-induced neuronal death T. Itoh, Y. Shimada, K. Terasawa (Toyama, Japan)	155
Cell death of dopamine neurons in aging and Parkinson's disease M. Naoi, W. Maruyama (Gifu, Aichi, Japan)	175
Neuroprotection by (–)-deprenyl and related compounds W. Maruyama, M. Naoi (Obu, Gifu, Japan)	189
Symptomatic and neuroprotective properties of the aliphatic propargylamines A.A. Boulton (Saskatoon, Canada)	201
Pharmacological modifications of endogenous antioxidant enzymes with special reference to the effects of deprenyl: a possible antioxidant strategy K. Kitani, S. Kanai, G.O. Ivy, M.C. Carrillo (Aichi, Tokyo, Japan; Scarborough, Canada; Rosario, Argentina)	211
Author Index	223
Subject index	225
Volume contents	229

